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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/057,111	01/23/2002	Yoshifumi Tanimoto	81800.0180	1396

26021 7590 09/27/2005

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EXAMINER

REVAK, CHRISTOPHER A

ART UNIT	PAPER NUMBER
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2131

DATE MAILED: 09/27/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/057,111

Applicant(s)

TANIMOTO, YOSHIFUMI

Examiner

Christopher A. Revak

Art Unit

2131

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 January 2002.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date 1/23/02.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Priority***

1. Acknowledgment is made of applicant's claim for foreign priority under 35 U.S.C. 119(a)-(d).

### ***Information Disclosure Statement***

2. The information disclosure statement (IDS) submitted on January 23, 2002 was in compliance with the provisions of 37 CFR 1.97. Accordingly, the examiner is considering the information disclosure statement.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

4. Claims 1-20 are rejected under 35 U.S.C. 102(e) as being anticipated by Langford et al, U.S. Patent 6,266,420.

As per claims 1,9, and 15, Langford et al teaches of a device, method, and storing medium storing a program for causing a computer to transmitting same data to a plurality of destinations. Data is encrypted by utilizing a session key. The session key

is encrypted by utilizing each of the public (common) keys that have been determined to the respective destinations. The email is transmitted that which includes the encrypted data the encrypted session key (col. 2, lines 3-16 and col. 3, lines 15-28).

As per claims 2,10, and 16, Langford et al discloses of the email comprising header information showing the plurality of destinations as well as the encrypted data and the encrypted session key is transmitted (col. 2, lines 52-54 and col. 3, lines 1-13).

As per claims 3 and 17, it is disclosed by Langford et al of including encrypted data in the email with one encrypted session key that is transmitted to a destination related to the public (common) key that has been utilized to encrypt the one session key (col. 2, lines 3-16 and col. 3, lines 15-28).

As per claims 4,12, and 18, the teachings of Langford et al recite of before transmitting the email, the session key is repeatedly encrypted until all of the public (common) keys have been determined to the respective destinations are utilized to encrypt the session key and the email includes the encrypted data and all of the encrypted session keys are transmitted to all of the destinations by one transmission process (col. 2, lines 3-16 and col. 3, lines 15-28).

As per claims 5,13, and 19, Langford et al discloses that until all of the public (common) keys have been determined to the respective destinations are utilized to encrypt the session key, the process involving encryption of the session key by utilizing each of the public (common) keys which have been determined to the respective destinations and transmitting the email that which includes the encrypted data the encrypted session key is repeated such that after transmitting the email, the session key

is encrypted by another public (common) key, and then another email including the encrypted data and the session key encrypted by the another public (common) key is transmitted (col. 2, lines 3-16; col. 3, lines 15-28; and col. 4, lines 38-40).

As per claims 6, 14, and 20, it is taught by Langford et al of generating each of the public (common) keys by utilizing each public key generated based on information of each of the plurality of destinations and utilizing a private (secret) key (col. 3, lines 33-40).

As per claim 7, Langford et al discloses of using an encryption algorithm (ID-based Non-Interactive Key Sharing Scheme) with a symmetric key (col. 1, lines 13-16).

As per claim 8, Langford et al teaches that the data and the session key are encrypted using the Data Encryption Standard (col. 1, lines 35-38).

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Please see attached PTO-892

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Christopher A. Revak whose telephone number is 571-272-3794. The examiner can normally be reached on Monday-Friday, 6:30am-3:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ayaz Sheikh can be reached on 571-272-3795. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CR

  
September 21, 2005

Christopher Revak  
Primary Examiner  
AU 2131

  
9/21/05